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Form PTO-1449 (modified)

Atty. Docket No.
INRP:081USD1Serial No.
09/880,609

List of Patents and Publications for Applicant's

Applicant
Shuyuan Zhang *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
June 12, 2001Group:
1648U.S. Patent Documents
*See Page 1*Foreign Patent Documents
*See Page 1*Other Art
See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
MM	A3	6,143,290	11-7-00	Zhang et al.	424	93.2	4-7-94
	A4	6,485,958	11-26-02	Blanche et al.	435	239	12-16-98
	A5	6,537,793	3-25-03	Blanche et al.	435	239	6-14-01

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C103	Kraft V., Fischer I., "Cell-cycle-dependent multiplication of avian adenoviruses in chicken embryo fibroblasts," <i>Arch. Virol.</i> , 57: 243-54, 1978.

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9-30-03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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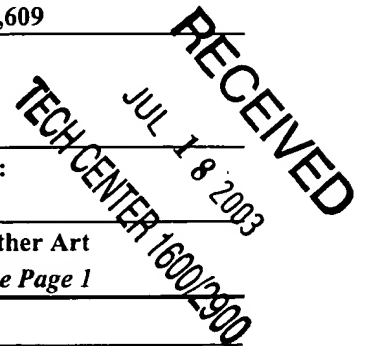
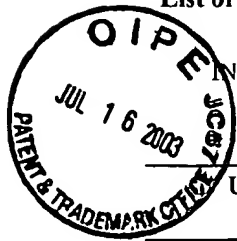
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MM	A2	6,586,226 B2	7/1/03	Carrion <i>et al.</i>	435	239	11/30/01

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Shuyuan Zhang, Capucine Thwin, Zheng Wu,
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See Page 1**U.S. Patent Documents**

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MM	A1	4,352,883	10/05/82	Lim			

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MM	B1	WO 94/17178	08/04/94	PCT			
	B2	WO 96/27677	09/12/96	PCT			
	B3	WO/98/00524	01/08/98	PCT			
	B4	WO 97/08298	03/06/97	PCT			
	B5	EP 0273085	12/29/86	Europe			
	B6	WO 98/22588	5/28/98	PCT			
	B7	WO 98/26048	6/18/98	PCT			
	B8	WO 98/54441	10/28/99	PCT			

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Exam. Init.	Ref. Des.	Citation
MM	C1	Aboud <i>et al.</i> , "Rapid purification of extracellular and intracellular moloney murine leukemia virus," <i>Arch. Virol.</i> , 71:185-195, 1982.
	C2	Arap <i>et al.</i> , "Replacement of the <i>p16/CDKN2</i> gene suppresses human glioma cell growth," <i>Cancer Res.</i> , 55:1351-1354, 1995.
	C3	Baichwal and Sugden, <i>In</i> : Kucherlapati R, ed. Gene transfer. New York: Plenum Press, pp. 117-148, 1986.

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	C5	Berg <i>et al.</i> , "High-level expression of secreted proteins from cells adapted to serum-free suspension culture," <i>BioTechniques</i> , 14(6):972-978, 1993.
	C6	Bett, "An efficient and flexible system for construction of adenovirus vectors with insertions or deletions in early regions 1 and 3," <i>Proc. Natl. Acad. Sci. USA</i> , 91(19):8802-8806, 1994.
	C7	Bussemakers <i>et al.</i> , "Decreased expression of E-cadherin in the progression of rat prostatic cancer," <i>Cancer Res.</i> , 52:2916-2922, 1992.
	C8	Caldas <i>et al.</i> , "Frequent somatic mutations and homozygous deletions of the p16 (MTS1) gene in pancreatic adenocarcinoma," <i>Nat. Genet.</i> , 8:27-32, 1994.
	C9	Casey <i>et al.</i> , "Growth suppression of human breast cancer cells by the introduction of a wild-type p53 gene," <i>Oncogene</i> , 6:1791-1797, 1991.
	C10	Chen and Okayama, "High-efficiency transfection of mammalian cells by plasmid DNA," <i>Mol. Cell Biol.</i> , 7:2745-2752, 1987.
	C11	Cheng <i>et al.</i> , "p16 Alterations and deletion mapping of 9p21-p22 in malignant mesothelioma," <i>Cancer Res.</i> , 54:5547-5551, 1994.
	C12	Cheung <i>et al.</i> , "Structure and function of C-CAM1," <i>J Biol Chem.</i> 268(32):24303-24310, 1993.
	C13	Cheung <i>et al.</i> , "The cytoplasmic domain of C-CAM is required for C-CAM-mediated adhesion function: studies of a C-CAM transcript containing an unspliced intron," <i>Biochem. J.</i> , 295:427-435, 1993.
	C14	Cheung <i>et al.</i> , "Cell-CAM105 isoforms with different adhesion functions are coexpressed in adult rat tissues and during liver development," <i>J. Biol. Chem.</i> , 268:6139-6146, 1993.
	C15	Coffin, "Retroviridae and their replication," <i>In: Virology</i> , Fields <i>et al.</i> (eds.), New York: Raven Press, pp. 1437-1500, 1990.
	C16	Coupar <i>et al.</i> , "A general method for the construction of recombinant vaccinia virus expressing multiple foreign genes," <i>Gene</i> , 68:1-10, 1988.

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	C18	Dubensky <i>et al.</i> , "Direct transfection of viral and plasmid DNA into the liver or spleen of mice," <i>Proc. Nat. Acad. Sci. USA</i> , 81:7529-7533, 1984.
	C19	Edelman and Crossin, "Cell adhesion molecules: implications for a molecular histology," <i>Annu. Rev. Biochem.</i> , 60:155-190, 1991.
	C20	Edelman, "Cell adhesion and the molecular processes of morphogenesis," <i>Annu. Rev. Biochem.</i> , 54:135-169, 1985.
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	C23	Fraley <i>et al.</i> , "Entrapment of a bacterial plasmid in phospholipid vesicles: Potential for gene transfer," <i>Proc. Nat'l Acad. Sci. USA</i> , 76:3348-3352, 1979.
	C24	Freshney, "Animal Cell Culture: a Practical Approach", Second Edition, Oxford/New York, IRL Press, Oxford University Press, 1992.
	C25	Frixen <i>et al.</i> , "E-cadherin-mediated cell-cell adhesion prevents invasiveness of human carcinoma cells," <i>J. Cell Biol.</i> , 113:173-185, 1991.
	C26	Garnier <i>et al.</i> , "Scale-up of the adenovirus expression system for the production of recombinant protein in human 293S cells," <i>Cytotechnol.</i> , 15:145-155, 1994.
	C27	Ghosh and Bachhawat, <i>In: Liver Diseases, Targeted Diagnosis and Therapy Using Specific Receptors and Ligands</i> , Wu G, Wu C (ed.), Marcel Dekker, New York, pp. 87-104, 1991.
	C28	Giancotti and Ruoslahti, "Elevated levels of the $\alpha_5\beta_1$ fibronectin receptor suppress the transformed phenotype of Chinese hamster ovary cells," <i>Cell</i> , 60:849-859, 1990.
	C29	Gilbert, "Adaptation of cells to serum free culture for production of adenovirus vectors and recombinant proteins," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.

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	C31	Graham and Prevec, "Manipulation of adenovirus vectors," <i>In: Methods in Molecular Biology: Gene Transfer and Expression Protocols 7</i> , (Murray, Ed.), Humana Press, Clifton, NJ, pp. 109-128, 1991.
	C32	Graham and Van Der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA," <i>Virology</i> , 52:456-467, 1973.
	C33	Graham <i>et al.</i> , "Characteristics of a human cell line transformed by DNA from human adenovirus type 5," <i>J. Gen. Virol.</i> , 36:59-72, 1977.
	C34	Graham, "Growth of 293 Cells in Suspension Culture," <i>J. Gen. Virol.</i> , 68:937-940, 1987.
	C35	Griffiths, "Overview of cell culture systems and their scale-up," <i>In: Animal Cell Biotechnology</i> , Vol. 3, p. 179-220, (Spier and Griffiths, eds.), Academic Press, London, 1986.
	C36	Harland and Weintraub, "Translation of mammalian mRNA injected into <i>Xenopus</i> oocytes is specifically inhibited by antisense RNA," <i>J. Cell Biol.</i> , 101:1094-1099, 1985.
	C37	Hay <i>et al.</i> , "Replication of adenovirus mini-chromosomes," <i>J. Mol. Biol.</i> , 175:493-510, 1984.
	C38	Hearing and Shenk, "Functional analysis of the nucleotide sequence surrounding the cap site for adenovirus type 5 region E1A messenger RNAs," <i>J. Mol. Biol.</i> , 167:809-822, 1983.
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	C40	Hearing <i>et al.</i> , "Identification of a repeated sequence element required for efficient encapsidation of the adenovirus type 5 chromosome," <i>Journal of Virology</i> , 67:2555-2558, 1987.
	C41	Hermonat and Muzycska, "Use of adenoassociated virus as a mammalian DNA cloning vector: Transduction of neomycin resistance into mammalian tissue culture cells," <i>Proc. Nat'l Acad. Sci. USA</i> , 81:6466-6470, 1984.
	C42	Hollstein <i>et al.</i> , "p53 mutations in human cancers," <i>Science</i> , 253:49-53, 1991.

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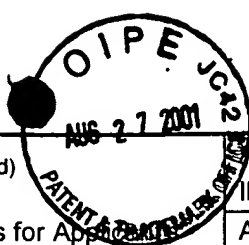
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MM	C43	Hussussian <i>et al.</i> , "Germline p16 mutations in familial melanoma," <i>Nature Genetics</i> , 8(1):15-21, 1994.
	C44	Huyghe <i>et al.</i> , "Purification of a type 5 recombinant adenovirus encoding human p53 by column chromatography," <i>Hum. Gene Ther.</i> , 6:1403-1416, 1996.
	C45	International Search Report dated July 16, 1998 (PCT/US97/21504) (INGN:058P).
	C46	Jones and Shenk, "Isolation of deletion and substitution mutants of adenovirus type 5," <i>Cell</i> , 13:181-188, 1978.
	C47	Kamb <i>et al.</i> , "A cell cycle regulator potentially involved in genesisi of many tumor types," <i>Science</i> , 264:436-440, 1994.
	C48	Kamb <i>et al.</i> , "Analysis of the p16 gene (<i>CDKN2</i>) as a candidate for the chromosome 9p melanoma susceptibility locus," <i>Nature Genetics</i> , 8:22-26, 1994.
	C49	Kaneda <i>et al.</i> , "Increased expression of DNA cointroduced with nuclear protein in adult rat liver," <i>Science</i> , 243:375-378, 1989.
	C50	Kato <i>et al.</i> , "Expression of hepatitis b virus surface antigen in adult rat liver," <i>J. Biol. Chem.</i> , 266:3361-3364, 1991.
	C51	Klein <i>et al.</i> , "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> , 327:70-73, 1987.
	C52	Larsson and Litwin, "The growth of polio virus in human diploid fibroblasts grown with cellulose microcarriers in suspension cultures," <i>Dev. Biol. Standard.</i> , 66:385-390, 1987.
	C53	Levrero <i>et al.</i> , "Defective and nondefective adenovirus vectors for expressing foreign genes <i>in vitro</i> and <i>in vivo</i> ," <i>Gene</i> , 101:195-202, 1991.
	C54	Lin and Guidotti, "Cloning and expression of a cDNA coding for a rat liver plasma membrane ecto-ATpase," <i>J. Biol. Chem.</i> , 264:14408-14414, 1989.
	C55	Mann <i>et al.</i> , "Construction of a retrovirus packaging mutant and its use to produce helper-free defective retrovirus," <i>Cell</i> , 33:153-159, 1983.
✓	C56	Matsuura <i>et al.</i> , "Altered expression of e-cadherin in gastric cancer tissues and carcinomatous fluid," <i>Brit. J. Cancer</i> , 66:1122-1130, 1992.

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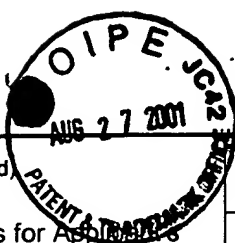
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MM	C57	McGrath <i>et al.</i> , "Retrovirus purification: method that conserves envelope glycoprotein and maximizes infectivity," <i>J. Virol.</i> , 25:923-927, 1978.
	C58	Mercer, "Cell cycle regulation and the p53 tumor suppressor protein," <i>Critic. Rev. Eukar. Gene Express.</i> 2:251-263, 1992.
	C59	Mizrahi, "Production of human interferons - an overview," <i>Proc. Biochem.</i> , (August):9-12, 1983.
	C60	Morris <i>et al.</i> , "Serum-free production of adenoviral vectors for gene therapy," <i>Williamsburg BioProcessing Conference</i> , Nov. 18-21, 1996.
	C61	Nicolas and Rubenstein, "Vectors: a survey of molecular cloning vectors and their uses," <i>In: Vectors: A Survey of Molecular Cloning Vectors and Their Uses</i> , Rodriguez and Denhardt, (eds.), Stoneham: Butterworth, pp. 493-513, 1988.
	C62	Nicolau and Sene, "Liposome-mediated DNA transfer in eukaryotic cells," <i>Biochem. Biophys. Acta</i> , 721:185-190, 1982.
	C63	Nicolau <i>et al.</i> , "Liposomes as carriers for <i>in vivo</i> gene transfer and expression," <i>Methods Enzymol.</i> , 149:157-176, 1987.
	C64	Nilsson and Mosbach, "Immobilized animal cells," <i>Dev. Biol. Standard</i> , 66:183-193,
	C65	Nobori <i>et al.</i> , "Deletions of the cyclin-dependent kinase-4 inhibitor gene in multiple human cancers," <i>Nature</i> , 368:753-756, 1994.
	C66	O'Neil and Balkovic, "Virus harvesting and affinity-based liquid chromatography," <i>Bio. Technol.</i> , 11:173-178, 1993.
	C67	Obrink, "C-CAM (cell-CAM 105) - a member of the growing immunoglobulin superfamily of cell adhesion proteins," <i>BioEssays</i> , 13:227-233, 1991.
	C68	Odin and Obrink, "Quantitative determination of the organ distribution of the cell adhesion molecule cell-CAM 105 by radioimmunoassay," <i>Exp. Cell Res.</i> , 171:1-15, 1987.
	C69	Okamoto <i>et al.</i> , "Mutations and altered expression of p16 ^{INK4} in human cancer," <i>Proc. Nat'l Acad. Sci. USA</i> , 91:11045-11049, 1994.
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	C72	Perales <i>et al.</i> , "Gene transfer in vivo: sustained expression and regulation of genes introduced into the liver by receptor-targeted uptake," <i>Proc. Natl. Acad. Sci. USA</i> , 91:4086-4090, 1994.
	C73	Perrin <i>et al.</i> , "An experimental rabies vaccine produced with a new BHK-21 suspension cell culture process: use of serum-free medium and perfusion-reactor system," <i>Vaccine</i> , 13(13):1244-1250, 1995.
	C74	Petricciani, "Should continuous cell lines be used as substrates for biological products?," <i>Dev. Biol. Standard</i> , 66:3-12, 1985.
	C75	Phillips <i>et al.</i> , "Experience in the cultivation of mammalian cells on the 8000 1 scale," <i>In: Large Scale Mammalian Cell Culture</i> (Feder and Tolbert, eds.), Academic Press, Orlando, FL, U.S.A., 1985.
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	C78	Renan, "Cancer genes: current status, future prospects, and applications in radiotherapy/oncology," <i>Radiother. Oncol.</i> , 19:197-218, 1990.
	C79	Ridgeway, "Mammalian expression vectors," <i>In: Rodriguez RL, Denhardt DT, ed. Vectors: A survey of molecular cloning vectors and their uses.</i> Stoneham: Butterworth, pp. 467-492, 1988.
	C80	Rippe <i>et al.</i> , "DNA-mediated gene transfer into adult rat hepatocytes in primary culture," <i>Mol. Cell Biol.</i> , 10:689-695, 1990.
	C81	Roux <i>et al.</i> , "A versatile and potentially general approach to the targeting of specific cell types by retroviruses: application to the infection of human cells by means of major histocompatibility complex class I and class II antigens by mouse ecotropic murine leukemia virus-derived viruses," <i>Proc. Nat'l Acad. Sci. USA</i> , 86:9079-9083, 1989.

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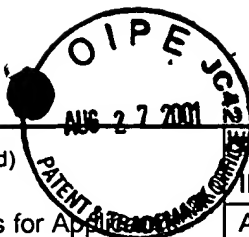
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 Atty. Docket No.
INRP:081USD1/SLH

 Serial No.
09/203,078

List of Patents and Publications for Applicant

INFORMATION DISCLOSURE STATEMENT

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Applicants

 Shuyuan Zhang, Capucine Thwin, Zheng Wu,
Toohyon Cho, and Shawn Gallagher

 Filing Date:
6/12/2001

 Group:
Unknown

 U.S. Patent Documents
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 Foreign Patent Documents
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See Page 1

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Exam. Init.	Ref. Des.	Citation
MM	C82	Serrano <i>et al.</i> , "A New Regulatory Motif in Cell-Cycle Control Causing Specific Inhibition of Cyclin D/CDK4," <i>Nature</i> , 366:704-707, 1993.
	C83	Serrano <i>et al.</i> , "Inhibition of Ras-Induced Proliferation and Cellular Transformation by p16 ^{INK4} ," <i>Science</i> , 267:249-252, 1995.
	C84	Smith and Lee, "Large-scale isolation and partial purification of type C RNA viruses on hydroxyapatite," <i>Analytical Biochem.</i> , 86: 252-263, 1978.
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	C90	van Wezel, "Growth of cell-strains and primary cells on micro-carriers in homogeneous culture," <i>Nature</i> , 216:64-65, 1967.
	C91	Wagner <i>et al.</i> , "Transferrin-polycation conjugates as carriers for DNA uptake into cells," <i>Proc. Nat'l. Acad. Sci.</i> , 87(9):3410-3414, 1990.
	C92	Wagner <i>et al.</i> , "Antisense gene inhibition by oligonucleotides containing C-5 propyne pyrimidines," <i>Science</i> , 260:1510-1513, 1990.
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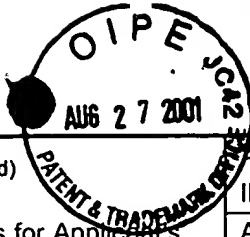
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	C94	Wang <i>et al.</i> , "Modified CelliGen-packed bed bioreactors for hybridoma cell cultures," <i>Cytotechnol.</i> , 9:41-49, 1992.
	C95	Watt <i>et al.</i> , "Human prostate-specific antigen: structural and functional similarity with serine proteases", <i>Proc. Nat'l Acad. Sci.</i> , 83(2):3166-3170, 1986.
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